

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J		PAGE OF PAGES 1 16	
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE 24-Mar-2014		4. REQUISITION/PURCHASE REQ. NO. M0220914RC00197		5. PROJECT NO.(If applicable)	
6. ISSUED BY CONTRACTING OFFICE MARINE CORPS AIR STATION IWAKUNI PSC 561 BOX 1872 FPO AP 96310-0019		CODE M62613		7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. M62613-14-T-0023	
				X		9B. DATED (SEE ITEM 11) 21-Feb-2014	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) This Amendment of Solicitation is issued to re-open the original Solicitation with, 1) To revise paragraph 9 Training Requirements in Statement of Work, 2) To change paragraph 2 Duration of Services in Statement of Work pushed back, and 3) To extend closing date.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 24-Mar-2014	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 1449 - CONTINUATION SHEET

SOLICITATION/CONTRACT FORM

The required response date/time has changed from 10-Mar-2014 07:00 PM to 09-Apr-2014 11:00 AM.

The following have been modified:

STATEMENT OF WORK

1. Purpose. Provide NFPA Chapter 11 Level I & II Surface Water Rescue and NFPA Chapter 12 Level I & II Swift Water Rescue training and certification for a maximum class size of 20 firefighters working at Marine Corps Air Station Iwakuni.

2. Duration of Services. Period of performance for this training must be scheduled between 1 June 2014 and 31 August 2014. Training dates must be confirmed 30 days in advance with the Fire Chief to mitigate scheduling conflicts due to evolving workload requirements.

3. Service Location

Fire Department
Marine Corp Air Station Iwakuni Japan, Building 119
PSC 561 Box 1876, FPO AP 96310-0019
Phone 011-81-827-79-4784.

4. Marine Corps Designate Representative. The activity designated as the requiring authority under this contract is:

Fire Chief
Marine Corps Air Station Iwakuni Japan, Building 119
Telephone: DSN (315) 253-6827
MCAS Iwakuni, Japan

5. Task Management. Enclosure (1) describes the requirements that are to be executed by the contractor for the stated period of time in order to meet certification criteria.

6. Permits. No permits are required for this contract.

7. Government Furnished Equipment

a. Fire Department will provide basic Personal Protective Equipment (PPE) and equipment required to complete performance testing activities. Specialized equipment is not available.

b. The Fire Department will provide the facilities and audio visual equipment required to conduct classroom testing.

8. Vendor Furnished Equipment. Vendors are responsible for and must take into account additional time and special requirements for shipping any additional equipment required to provide this training.

9. General Requirements

a. Contract Authority. Notwithstanding any other provision of this contract the Contracting Officer shall be the only individual authorized to redirect the effort or otherwise amend any of the terms of this contract.

b. Work Hours. Training will be conducted six days a week for 8 hours per day. Training will not be held on Sundays or Federal holidays.

10. Training Requirements

a. Certification. This certification level shall be in accordance with NFPA 1006 Chapters 11 and 12. A certificate of completion from the vendor stating the course of instruction provided meets this certification shall be provided at the end of training for each student.

b. Course Details. Firefighter course of examination must test the students' proficiency in basic and advanced water rescue concepts and techniques necessary to function as a responding member of a fire department in accordance with NFPA 1006 Chapters 11 and 12.

c. Language. Course materials and a translator for Japanese shall be provided for students attending this training. It is the responsibility of the contractor to ensure the translator selected has the language skills to convey the material in an accurate manner. Point of contact information for the selected translator shall be provided to the Fire Chief for verification prior to contract award.

NFPA 1006**Chapter 11 Surface Water Rescue**

11.1 Level I General Requirements. This chapter is for rescue situations with water moving less than 1 knot. Level I water rescue skills are applicable only to basic swimming and support of Level II water rescue. The job performance requirements defined in Chapters 4 and 5 and 11.1.1 through 11.1.15 shall be met prior to Level I qualification in surface water rescue.

11.1.1* Develop a site survey for an existing water hazard, given historical data, specific personal protective equipment for conducting site inspections, flood insurance rate maps, tide tables, and meteorological projections, so that life safety hazards are anticipated, risk-benefit analysis is included, site inspections are completed, water conditions are projected, site-specific hazards are identified, routes of access and egress are identified, boat ramps (put-in and take-out points) are identified, method of entrapment is considered, and areas with high probability for victim location are determined.

(A) Requisite Knowledge. Requisite contents of a site survey; types, sources, and information provided by reference materials; hydrology and influence of hydrology on rescues; types of hazards associated with water rescue practices scenarios, inspections practices, and considerations techniques; risk-benefit analysis; identification of hazard-specific personal protective equipment; factors influencing access and egress routes; behavioral patterns of victims; and environmental conditions that influence victim location.

(B) Requisite Skills. The ability to interpret reference materials, perform a scene assessment, evaluate site conditions, complete risk-benefit analysis, and select and use necessary personal protective equipment.

11.1.2* Select water rescue personal protective equipment, given a water rescue assignment and assorted items of personal protective and life-support equipment, so that rescuer is protected from temperature extremes and environmental hazards, correct buoyancy is maintained, AHJ protocols are complied with, swimming ability is maximized, routine and emergency communications are established between components of the team, self-rescue needs have been evaluated and provided for, and pre-operation safety checks have been conducted.

(A) Requisite Knowledge. Manufacturer's recommendations; standard operating procedures; basic signals and communications techniques;

selection criteria of insulating garments; buoyancy characteristics; personal escape techniques; applications for and capabilities of personal escape equipment; hazard assessment; AHJ protocols for equipment positioning; classes of personal flotation devices; selection criteria for personal protective clothing, personal flotation devices, and water rescue helmets; personal escape techniques; applications for and capabilities of personal escape equipment; and equipment and procedures for signaling distress.

(B)* Requisite Skills. The ability to use personal protective equipment according to the manufacturer's directions, proficiency in emergency escape procedures, proficiency in communications, don and doff equipment in an expedient manner, use pre-operation checklists, select personal flotation devices, don and doff personal flotation devices, select water rescue helmets, don and doff water rescue helmets, select personal protective clothing and equipment, don and doff in-water insulating garments, proficiency in emergency escape procedures, and proficiency in communicating distress signals.

11.1.3* Define search parameters for a water rescue incident, given topographical maps of a search area, descriptions of all missing persons and incident history, hydrologic data including speed and direction of current or tides, so that areas with high probability of detection are differentiated from other areas, witnesses are interviewed, critical interview information is recorded, passive and active search tactics are implemented, personnel resources are considered and used, and search parameters are communicated.

(A) Requisite Knowledge Topographical map components, hydrologic factors and wave heights, methods to determine high probability of detection areas, critical interview questions and practices, methods to identify track traps, ways to identify spotter areas and purposes for spotters, personnel available and effects on parameter definition, the effect of search strategy defining parameters, communication methods, and reporting requirements.

(B) Requisite Skills. Not applicable.

11.1.4 Develop an action plan for a shore-based rescue of a single or multiple water bound victim(s), given an operational plan and a water rescue tool kit, so that all information is factored, risk-benefit analysis is conducted, protocols are followed, hazards are identified and minimized, personnel and equipment resources will not be exceeded, assignments are defined, consideration is given to evaluating changing conditions, and the selected strategy and tactics fit the conditions.

(A) Requisite Knowledge. Elements of an action plan; types of information provided by reference materials and size-up; hydrology; types of hazards associated with water rescue practices; risk-benefit analysis; identification of hazard-specific personal protective equipment; factors influencing access and egress routes; behavioral patterns of victims; environmental conditions that influence victim location; safety, communications, and operational protocols; and resource capability and availability.

(B) Requisite Skills. The ability to interpret and correlate reference and size-up information; evaluate site conditions; complete risk-benefit analysis; apply safety, communications, and operational protocols; specify personal protective equipment requirements; and determine rescue personnel requirements.

11.1.5 Conduct a witness interview, given witnesses and checklists, so that witnesses are secured, information is gathered, last seen point can be determined, last known activity can be determined, procedures to re-contact the witnesses are established, and reference objects can be utilized.

(A) Requisite Knowledge. Elements of an action plan; types of and information provided by reference materials and size-up; hydrology; types of hazards associated with water rescue practices; risk-benefit analysis; identification of hazard-specific personal protective equipment; factors influencing access and egress routes; behavioral patterns of victims; environmental conditions that influence victim location; safety, communications, and operational protocols; and resource capability and availability.

(B) Requisite Skills. The ability to interpret and correlate reference and size-up information; evaluate site conditions; complete risk-benefit analysis; apply safety, communications, and operational protocols; specify personal protective equipment requirements; and determine rescue personnel requirements.

11.1.6* Deploy a water rescue reach device to a water bound victim, given required equipment and personal protective equipment so that the deployed equipment reaches the victim(s), the rescue equipment does not slip through the rescuer's hands, the victim is moved to the rescuer's shoreline, the victim is not pulled beneath the surface by rescuer efforts, the rescuer is not pulled into the water by the victim, and neither the rescuer nor the victim is tied to or entangled in the device.

(A) Requisite Knowledge. Types and capabilities of personal

protective equipment, effects of hydrodynamic forces on rescuers and victims, physiological effects of immersion, hydrology and characteristics of water, behaviors of water bound victims, water rescue rope-handling techniques, incident-specific hazard identification, criteria for selecting victim retrieval locations based on water environment and conditions, hazards and limitations of shore-based rescue, local policies and procedures for rescue team activation, and information on local water environments.

(B) Requisite Skills. The ability to select personal protective equipment specific to the water environment, don personal protective equipment, identify water hazards (i.e., upstream or downstream, current or tides), identify hazards directly related to the specific rescue, and demonstrate appropriate shore-based victim removal techniques.

11.1.7* Deploy a water rescue rope to a water bound victim, given a water rescue rope in a throw bag, a coiled water rescue rope 50 ft to 75 ft (15.24m to 22.86m) in length, and personal protective equipment, so that the deployed rope lands within reach of the victim, the rescue rope does not slip through the rescuer's hands, the victim is moved to the rescuer's shoreline, the victim is not pulled beneath the surface by rescuer efforts, the rescuer is not pulled into the water by the victim, and neither the rescuer nor the victim is tied to or entangled in the throw line.

(A) Requisite Knowledge. Types and capabilities of personal protective equipment, effects of hydrodynamic forces on rescuers and victims, hydrology and characteristics of water, behaviors of water bound victims, water rescue rope-handling techniques, incident-specific hazard identification, criteria for selecting victim retrieval locations based on water environment and conditions, hazards and limitations of shore-based rescue, local policies and procedures for rescue team activation, and information on local water environments.

(B) Requisite Skills. The ability to deploy both a water rescue rope bag and a coiled water rescue rope, select personal protective equipment specific to the water environment, don personal protective equipment, identify water hazards (e.g., upstream or downstream, current or tides), identify hazards directly related to the specific rescue, and demonstrate appropriate shore-based victim removal techniques.

11.1.8* Use watercraft for rescue operations, given watercraft, policies, and procedures used by the AHJ, so that watercraft pre-deployment checks are completed, watercraft launch or recovery

is achieved as stipulated by AHJ operational protocols, divers are deployed and recovered, both on-board and dive rescue operations conform with watercraft operational protocols and capabilities, communications are clear and concise, and the candidate is familiar with watercraft nomenclature, operational protocols, design limitations, and launch/recovery site issues.

(A) Requisite Knowledge. Entry/exit procedures, communications techniques, boat operation techniques, design limitations, climactic conditions, tides, and currents.

(B) Requisite Skills. Implement entry/exit procedures and communications with watercraft crew, use emergency/safety equipment, identify hazards, and operate within the rescue environment.

11.1.9* Define procedures to provide support for helicopter water rescue operations within the area of responsibility for the AHJ, given a helicopter service, operational protocols, helicopter capabilities and limitations, water rescue procedures, and risk factors influencing helicopter operations, so that air-to-ground communications are established and maintained, applications are within the capabilities and skill levels of the helicopter service, the applications facilitate victim extraction from water hazards that are representative of the bodies of water existing or anticipated within the geographic confines of the AHJ, air crew and ground personnel safety are not compromised, landing zones are designated and secured, and fire suppression resources are available at the landing zone.

(A) Requisite Knowledge. Local aircraft capabilities and limitations, landing zone requirements, hazards to aircraft, local protocols, procedures for operating around aircraft, dynamics of rescue options, crash survival principles, personal protective equipment limitations and selection criteria, ancillary helicopter rescue equipment, and helicopter surf rescue procedures.

(B) Requisite Skills. The ability to determine applicability of air operations, establish and control landing zones, assess fire protection needs, communicate with air crews, identify hazards, rig aircraft for anticipated rescue procedures, apply crash survival procedures, select and use personal protective equipment, and work with air crews to rescue a victim from the water.

11.1.10* Negotiate a designated water course in a watercraft, given a watercraft that is available to the team, a course that is representative of the bodies of water existing or anticipated within the geographic confines of the AHJ, a range of assignments, and water

rescue personal protective equipment, so that the specified objectives are attained, all performance parameters are achieved, movement is controlled, hazards are continually assessed, launch does not proceed if the watercraft is inadequate or incapable of operating in the existing condition, distress signals are communicated, and rapid intervention for the watercraft crew has been staged for deployment.

(A) Requisite Knowledge. Limitations and uses of available watercraft, dynamics of moving water and its effects on watercraft handling, launch and docking procedures, conditional requirements for personal protective equipment, applications for motorized and nonmotorized craft, managing hazards as related to conditions, and crew assignments and duties.

(B) Requisite Skills. The ability to navigate watercraft with and without primary means of propulsion, evaluate conditions for launch, don water rescue personal protective equipment, utilize communications systems, apply procedures for broaching and righting watercraft, and apply procedures for casting and recovering personnel from watercraft.

11.1.11 Use techniques appropriate for the water environment to extricate an incapacitated waterbound victim from the water, as a member of a team, given a water hazard that is representative of the bodies of water existing or anticipated within the geographic confines of the AHJ, watercraft that is available to the team (if applicable), nets, webbing, blankets, tarpaulins or ropes, a means of securement, and water rescue personal protective equipment, so that the watercraft is not broached; control of the watercraft is maintained; risks to the victim and rescuers are minimized; and the victim is removed from the hazard expediently and efficiently.

(A) Requisite Knowledge. Limitations and uses of available watercraft, local environmental entry and exit procedures, parbuckling (rollup) techniques, dynamics of moving water and its effects on watercraft handling, conditional requirements for personal protective equipment, and effects of extrication on watercraft handling and stability.

(B) Requisite Skills. The ability to construct a simple mechanical advantage and demonstrate lifting techniques.

11.1.12* Demonstrate fundamental waterman ship skills, given safety equipment, props, and a confined water body, so that basic skills are demonstrated in a controlled environment, performance parameters are achieved, and problems can be identified prior to work in a high-stress environment.

(A) Requisite Knowledge. Basic forward stroke swimming theory (surface skills).

(B) Requisite Skills. Basic swimming skills, including the ability to swim and float in different water conditions with and without flotation aids or swimming aids as required, and apply water survival skills.

11.1.13* Escape from a simulated life-threatening situation, given water rescue personal protective equipment, swim aids as required, and flotation aids, so that the rescuer reaches safety at a predetermined area.

(A) Requisite Knowledge. Hydrology and specific hazards anticipated for representative water rescue environment (shoreline, in-water, and climatic), selection criteria for water rescue personal protective equipment, swim aids and flotation aids for anticipated water conditions, and hazards and swimming techniques for representative bodies of water.

(B) Requisite Skills. The ability to swim and float in different water conditions with and without flotation aids or swimming aids; apply water survival skills; don and doff personal protective equipment; select and use personal protective equipment, flotation aids, and swim aids; utilize communications systems; and evaluate water conditions to identify entry points and hazards.

11.1.14 Identify procedures for operation of rope systems particular to the water rescue needs of the AHJ, given rescue personnel, an established rope system, a load to be moved, and personal protective equipment, so that the movement is controlled, the load is held in place when needed, and operating methods do not stress the system.

(A) Requisite Knowledge. Ways to determine incident needs as related to the operation of rope systems, capabilities and limitations of various rope systems, incident site evaluation as related to interference concerns and obstacle negotiation, system safety check protocol, procedures to evaluate system components for compromised integrity, common personnel assignments and duties, assignment considerations, common and critical operational commands, common rope system problems and ways to minimize or manage them, and ways to increase the efficiency of load movement.

(B) Requisite Skills. The ability to determine incident needs,

complete a system safety check, evaluate system components for compromised integrity, select personnel, communicate with personnel, manage movement of the load, and evaluate for potential problems.

11.1.15 Support Level II operations, given a designated mission, safety equipment, props, and waterbody, so that skills are demonstrated in a controlled environment, performance parameters are achieved, hazards are continually assessed, correct buoyancy control is maintained, and emergency procedures are demonstrated.

(A) Requisite Knowledge. Support procedures, including search patterns, operation support equipment, and communications issues.

(B) Requisite Skills. Basic support skills, including the ability to assist technicians in different water conditions including ice, surf, swift water conditions, and so forth.

11.2* Level II General Requirements. The job performance requirements defined in Chapters 4 and 5, Section 11.1, and 11.2.1 through 11.2.4 shall be met prior to Level II qualification in surface water rescue.

11.2.1* Swim a designated water course, given a course that is representative of the bodies of water existing or anticipated within the geographic confines of the AHJ, water rescue personal protective equipment, and swim aids as required, so that the specified objective is reached, all performance parameters are achieved, movement is controlled, hazards are continually assessed, distress signals are communicated, and rapid intervention for the rescuer has been staged for deployment.

(A) Requisite Knowledge. Hydrology and specific hazards anticipated for representative water rescue environments (shoreline, in-water, and climatic), selection criteria for water rescue personal protective equipment and swim aids for anticipated water conditions and hazards, and swimming techniques for representative body of water.

(B) Requisite Skills. The ability to swim and float in different water conditions with and without floatation aids or swim aids as required, apply water survival skills, don and doff personal protective equipment, select and use swim aids, utilize communications systems, and evaluate water conditions to identify entry points and hazards.

11.2.2* Perform a swimming surface water rescue, given water rescue personal protective equipment, swim aids as required, flotation aids

for victims, and reach/extension devices, so that victim contact is maintained, the rescuer maintains control of the victim, the rescuer and the victim reach safety at a predetermined area, and medical conditions and treatment options are considered.

(A) Requisite Knowledge. Hydrology and specific hazards anticipated for representative water rescue environment (shoreline, in-water, and climatic), victim behavior patterns, emergency countermeasures for combative victims, selection criteria for water rescue personal protective equipment, swim aids and flotation aids for anticipated water conditions, victim abilities and hazards, swimming techniques for representative bodies of water, and signs, symptoms, and treatment of aquatic medical emergencies.

(B) Requisite Skills. The ability to swim and float in different water conditions with and without flotation aids or swim aids; apply water survival skills; manage combative water bound victims; don and doff personal protective equipment; select and use personal protective equipment, flotation aids, and swim aids; utilize communications systems; select equipment and techniques for treatment of aquatic medical emergencies; and evaluate water conditions to identify entry points and hazards.

11.2.3 Demonstrate defensive tactics in the water rescue environment, given a water bound victim in a stressed or panicked situation so that the rescuer can maintain separation from the victim to create or maintain personal safety, and can perform self-defense techniques to prevent rescuer submersion if direct contact is made between a panicked victim and the rescuer.

(A) Requisite Knowledge. Basic emergency procedures for applicable environments and situations with stressed or panicked victims at water rescues.

(B) Requisite Skills. The ability to effectively release oneself from the grasp of a panicked victim, including blocks, releases, and escapes.

11.2.4 Supervise, coordinate, and lead rescue teams during operations, given incident checklists, maps, topographic surveys, and charts, so that teams are managed, personnel are supervised, hazards are assessed and identified, safety and health of team is ensured, qualifications/abilities of rescuers are verified, pre-entry briefing is conducted, and debriefing is performed.

(A) Requisite Knowledge. Supervisory practices, emergency

procedures, communications procedures, local protocols, and safety checks.

(B) Requisite Skills. The ability to implement emergency procedures, communications procedures, and leadership/management skills.

Chapter 12 Swift water Rescue

12.1 Level I General Requirements. Level I water rescue skills are applicable only to survival swimming skills and Level II support of swift water rescue. The job performance requirements defined in Chapters [4](#), [5](#), and [6](#), Section 11.1, and 12.1.1 through 12.1.4 shall be met prior to Level I qualification in swift water rescue.

12.1.1 Construct rope systems particular to the swift water rescue needs of the AHJ, given rescue personnel, rope equipment, a load to be moved, and personal protective equipment, so that the movement is controlled, the load is held in place when needed, and operating methods do not stress the system.

(A) Requisite Knowledge. Rope systems specific to the swift water environment, capabilities and limitations of various rope systems, incident site evaluation as related to interference concerns and obstacle negotiation, system safety check protocol, procedures to evaluate system components for compromised integrity, common personnel assignments and duties, common and critical operational commands, and methods to increase the efficiency of load movement.

(B) Requisite Skills. The ability to determine incident needs, complete a system safety check, evaluate system components for compromised integrity, select personnel, communicate with personnel, manage movement of the load, and evaluate for potential problems.

12.1.2 Support Level II operations, given a designated mission, safety equipment, props, and waterbody, so that skills are demonstrated in a controlled environment, performance parameters are achieved, hazards are continually assessed, and emergency procedures are demonstrated.

(A) Requisite Knowledge. Support procedures, including search patterns, equipment setup, operation support equipment, and communications issues.

(B) Requisite Skills. Basic support skills, including the ability to serve as an upstream or downstream safety or spotter, and tend a

"go" rescuer.

12.1.3 Assess moving water conditions, characteristics, and features in terms of hazards to the rescuer and victims, given an incident scenario and swift water tool kit, so that flow and conditions are estimated accurately, mechanisms of entrapment are considered, hazards are assessed, depth and surrounding terrain are evaluated, and findings are documented.

(A) Requisite Knowledge. Flow calculation methods, map or chart reading, local water hazards and conditions, entrapment mechanisms, and human physiology and survival factors.

(B) Requisite Skills. Determination of flow and environmental factors, the effect on victims and rescuers, and interpretation of maps or charts.

12.1.4 Perform a non-entry rescue in the swift water/flooding environment, given an incident scenario, personal protective equipment, and swift water rescue tool kit, so that rescue is accomplished, and adopted policies and safety procedures are followed.

(A) Requisite Knowledge. Types and capabilities of personal protective equipment, effects of hydrodynamic forces on rescuers and victims, hydrology and characteristics of water, behaviors of water bound victims, water rescue rope-handling techniques, incident-specific hazard identification, criteria for selecting victim retrieval locations based on water environment and conditions, hazards and limitations of shore-based rescue, local policies/procedures for rescue team activation, and information on local water environments.

(B) Requisite Skills. Select personal protective equipment specific to the water environment, don personal protective equipment, identify water hazards (i.e., upstream or downstream, current or tides), identify hazards directly related to the specific rescue, and demonstrate appropriate shore-based victim removal techniques.

12.2 Level II General Requirements. The job performance requirements defined in Sections [11.2](#) and [12.1](#) and [12.2.1](#) and [12.2.2](#) shall be met prior to Level II qualification in swift water rescue.

12.2 Level II General Requirements. The job performance requirements defined in Sections [11.2](#) and [12.1](#) and [12.2.1](#) and [12.2.2](#) shall be met prior to Level II qualification in swift water rescue.

12.2.1 Perform an entry rescue in the swift water/flooding

environment, given an incident scenario, personal protective equipment, and swift water rescue tool kit, so that rescue is accomplished, and adopted policies and safety procedures are followed.

(A) Requisite Knowledge. Types and capabilities of personal protective equipment, effects of hydrodynamic forces on rescuers and victims, hydrology and characteristics of water, behaviors of water bound victims, water rescue rope-handling techniques, incident-specific hazard identification, criteria for selecting victim retrieval locations based on water environment and conditions, hazards and limitations of shore-based rescue, local policies/procedures for rescue team activation, and information on local water environments.

(B) Requisite Skills. Select personal protective equipment specific to the water environment, don personal protective equipment, identify water hazards (i.e., upstream or downstream, current or tides), identify hazards directly related to the specific rescue, and demonstrate appropriate victim removal techniques.

12.2.2 Negotiate a designated swift water course, given a course that is representative of the bodies of swift water existing or anticipated within the geographic confines of the AHJ, water rescue personal protective equipment, and swim aids as required, so that the specified objective is reached, all performance parameters are achieved, movement is controlled, hazards are continually assessed, distress signals are communicated, and rapid intervention for the rescuer has been staged for deployment.

(A) Hydrology and specific hazards anticipated for representative water Requisite Knowledge. rescue environments (shoreline, in-water, and climatic), selection criteria for water rescue personal protective equipment and swim aids for anticipated water conditions and hazards, and swimming techniques for representative body of water.

(B) Requisite Skills. The ability to swim and float in different water conditions with and without flotation aids or swim aids as required, apply water survival skills, don and doff personal protective equipment, select and use swim aids, utilize communications systems, and evaluate water conditions to identify entry points and hazards.

**End of Enclosure

(End of Summary of Changes)